

The RDM-ZC50 Zero Cross Module is a 6000 W solid-state zero-cross relay built for extra large loads. It is designed for use with the RDA series of enclosures, in an AMX Lighting™ modular digital dimming system. The RDM-ZC50 module's 120 VAC and 277 VAC ratings are CE, UL, and C-UL approved.

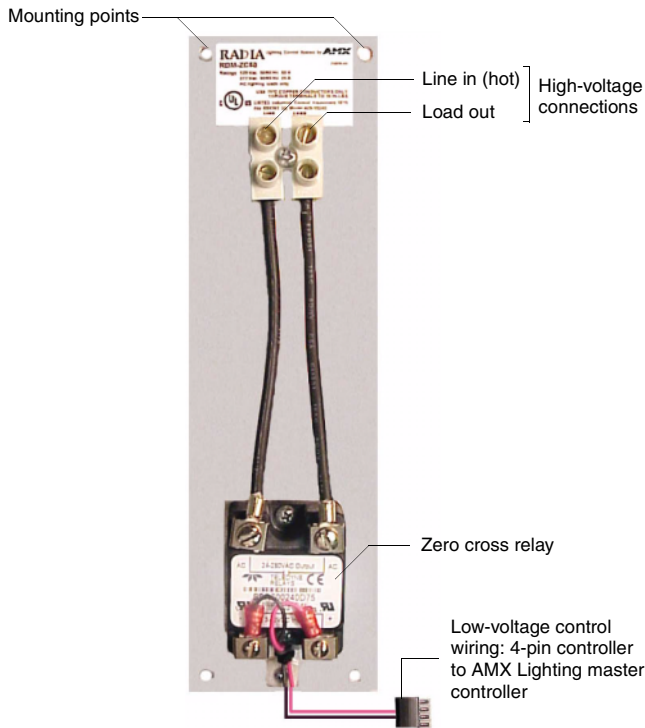


FIG. 1 RDM-ZC50

RDM-ZC50 UL and C-UL Ratings

120-277 VAC, 6000 W

Suggested Switched Loads

- Incandescent
- Electronic transformers
- HID ballast
- Fluorescent ballast

Specifications

- Dimensions (HW): 10.00" x 2.75" (25.40 cm x 6.99 cm)
- Non-phase dependant
- Use 75°C (167°F) copper conductors only
- Torque terminals to 16 in-lbs. (7.25 kg-m)
- Max. wire size: 6 AWG; 14 AWG min.
- Wire stripping length: 0.35" (9 mm)
- Weight: 1.0 lb. (0.45 kg)
- BTU/hr: 400
- Control current: 45 mA @ 12 VDC

Caution: Pre-Installation Notes

- All Class 1 wiring must be connected to proper terminals.
- All control wiring must be connected to proper terminals.
- Disconnect power while installing or connecting the unit.
- Keep top and bottom air vents clear at all times.
- Test loads for shorts before connecting.
- Run all low-voltage and control wires away from heat producing parts of the dimmer.
- Each dimming circuit must have a separate neutral connection.
- All electrical ratings are for continuous duty.
- AC lighting loads only.
- For indoor use only.
- This module may require extra power from the AXlink connection or an external power supply connected to the control card.

Connecting the RDM-ZC50 to the AMX Lighting Master

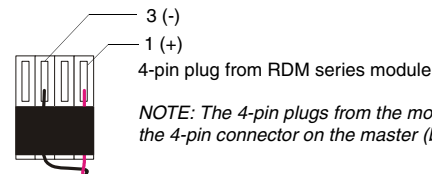
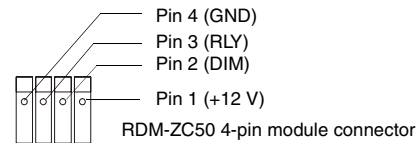


FIG. 2 RDM-ZC50 connections

Lighting Application Drawing

All neutrals are common to the Neutral block in the enclosure. Provide a separate neutral for each load.

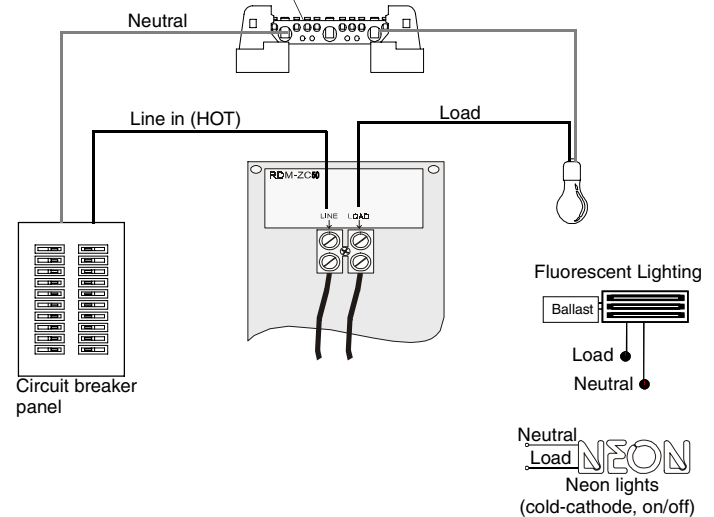


FIG. 3 RDM-ZC50 wiring configuration

AMX Corporation reserves the right to alter specifications without notice at any time.
For full warranty information, refer to the AMX Instruction Manual(s) associated with your Product(s).

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